**Index of Claims** 

| App | lication | /Control | No. |
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|     |          |          |     |

10/098,509

Examiner

AJIT G. PATEL

Applicant(s)/Patent under Reexamination

MORITA ET AL.

Art Unit

2616

| 1 | Rejected |
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| = | Allowed  |

| _  | (Through numeral)<br>Cancelled |
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| ٠ŀ | Restricted                     |

|   | N | Non-Elected  |
|---|---|--------------|
| ĺ | ı | Interference |

| A | Appeal   |
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| Cla     | Date                                                                                                                                                  |                                                  |              |                                                  |              |                                                  |              |              |          |          |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------|----------|----------|
| Final   | Original                                                                                                                                              | dila                                             |              |                                                  |              |                                                  |              |              |          |          |
|         | 1                                                                                                                                                     | İ                                                |              |                                                  | 1            |                                                  | Г            |              | İ        |          |
|         | 2                                                                                                                                                     | Ī                                                |              |                                                  |              |                                                  |              |              |          |          |
|         | 3                                                                                                                                                     | T.                                               |              |                                                  |              |                                                  |              |              |          |          |
|         | 4                                                                                                                                                     | $\Box$                                           |              |                                                  |              |                                                  |              | _            |          |          |
|         | 5                                                                                                                                                     | L                                                |              |                                                  | L            | L                                                |              | L            | L        |          |
|         | 6                                                                                                                                                     | _                                                |              | L                                                | <u> </u>     | <u> </u>                                         |              | L            | L        |          |
|         | 7                                                                                                                                                     |                                                  | L            | <u> </u>                                         | Ļ            | ╙                                                | _            | <u> </u>     | _        | <u> </u> |
|         | 8                                                                                                                                                     | _                                                | _            | ↓_                                               | <u> </u>     | L                                                | <u> </u>     | <u> </u>     | L        | ┡        |
|         | 9                                                                                                                                                     | ├                                                | L            | ļ                                                | ⊢            | ┡                                                | ├-           | <u> </u>     | ⊢        | -        |
|         | 10                                                                                                                                                    | ╄                                                | _            | ┢                                                | ⊢            | ┢                                                | -            | ┡            | ⊢        | ├        |
|         | 12                                                                                                                                                    | -                                                | ⊢            | ╁                                                | ⊢            | ├                                                | ├            | ⊢            | -        | -        |
|         | 12                                                                                                                                                    | 1                                                | -            | -                                                | <del> </del> | -                                                | ╁            | -            | -        | $\vdash$ |
|         | 14                                                                                                                                                    | <del>                                     </del> | ┢            | ┢                                                | ┢            | -                                                | <del> </del> | -            |          | $\vdash$ |
|         | 15                                                                                                                                                    | $\vdash$                                         | $\vdash$     | $\vdash$                                         | $\vdash$     | +-                                               | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ |
|         | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27 | T                                                | $\vdash$     | 1                                                | ┢            | T                                                | t -          | 1            | ┢        |          |
|         | 17                                                                                                                                                    | T                                                |              | t                                                | T            | 1                                                | 1            | Т            | Т        |          |
| `       | 18                                                                                                                                                    | _                                                |              | Ħ                                                | 1            | 1                                                | 1            |              | $\vdash$ | $\vdash$ |
| ì       | 19                                                                                                                                                    | T                                                |              | 1                                                | T            | İ                                                | T            |              |          | ı        |
| 3       | 20                                                                                                                                                    | П                                                |              |                                                  |              |                                                  | Г            |              |          | Г        |
| ų       | 21                                                                                                                                                    | П                                                |              |                                                  |              | Г                                                | Γ            |              |          |          |
| 5       | 22                                                                                                                                                    | П                                                |              |                                                  |              |                                                  |              |              | Г        |          |
| 7 4 6 7 | 23                                                                                                                                                    | П                                                |              |                                                  |              |                                                  |              |              |          |          |
| 7       | 24                                                                                                                                                    | 1                                                |              | L                                                |              |                                                  |              |              |          |          |
|         | 25                                                                                                                                                    | L.                                               | <u>_</u>     | <u> </u>                                         | <u> </u>     | _                                                |              | <u> </u>     | _        |          |
|         | _26                                                                                                                                                   | L_                                               |              |                                                  |              |                                                  | _            | _            | <u> </u> |          |
|         | 27                                                                                                                                                    | <u> </u>                                         | _            | _                                                |              |                                                  | _            | _            | <u> </u> |          |
|         | 28                                                                                                                                                    | <u> </u>                                         | <u> </u>     | _                                                | <u> </u>     | <u> </u>                                         | <u> </u>     | <u> </u>     | <u> </u> |          |
|         | 28<br>29<br>30                                                                                                                                        | ļ                                                |              | <u> </u>                                         | ⊢            | ⊢                                                | ├            | ⊢            | ⊢        | _        |
|         | 30                                                                                                                                                    | _                                                | _            | -                                                |              | ⊢                                                | ├            | ⊢            | ┝        |          |
|         | 31<br>32<br>33                                                                                                                                        | -                                                | -            | $\vdash$                                         | $\vdash$     | -                                                | ⊢            | H            | ┝        | $\vdash$ |
|         | 32                                                                                                                                                    | 1                                                | <del> </del> | $\vdash$                                         | -            | ⊢                                                | $\vdash$     | $\vdash$     | -        | Н        |
|         | 34                                                                                                                                                    | <del>                                     </del> | $\vdash$     | -                                                | -            | $\vdash$                                         | $\vdash$     | <del> </del> | $\vdash$ | Н        |
|         | 34<br>35<br>36<br>37                                                                                                                                  | 1                                                |              | <del>                                     </del> | 1            | $\vdash$                                         | $\vdash$     | -            | ┢        | $\vdash$ |
|         | 36                                                                                                                                                    | 一                                                | -            | $\vdash$                                         | $\vdash$     | <del>                                     </del> |              |              | -        | Н        |
|         | 37                                                                                                                                                    | T                                                |              | -                                                | Τ            | Т                                                | $\vdash$     | Т            | Г        | Н        |
|         | 38                                                                                                                                                    |                                                  |              |                                                  |              | Γ                                                | Π            |              | Г        | П        |
|         | 39                                                                                                                                                    |                                                  |              |                                                  |              |                                                  |              |              |          |          |
|         | 40                                                                                                                                                    |                                                  |              |                                                  |              |                                                  |              |              |          |          |
|         | 41                                                                                                                                                    |                                                  |              | 匚                                                |              |                                                  |              |              |          |          |
|         | 42                                                                                                                                                    | $\Box$                                           |              | $\Box$                                           |              | 匚                                                |              |              |          |          |
|         | 43                                                                                                                                                    | <u> </u>                                         |              | L_                                               | L_           | L                                                | L            |              |          |          |
|         | 44                                                                                                                                                    | _                                                | _            | <u> </u>                                         | L_           | <u>L</u>                                         | L.           |              | _        | Ш        |
|         | 45                                                                                                                                                    | $\vdash$                                         |              | L_                                               | $\vdash$     | <u> </u>                                         | <u> </u>     | Ш            | _        | Ш        |
|         | 46                                                                                                                                                    | <u> </u>                                         | _            | <u> </u>                                         | <u> </u>     | <u> </u>                                         | <u> </u>     |              | _        | Щ        |
|         | 47                                                                                                                                                    | <u> </u>                                         |              | <u> </u>                                         | <u> </u>     | L                                                | _            | L.,          | L        | Ш        |
|         | 48                                                                                                                                                    | H                                                |              | _                                                | L            | <u> </u>                                         | <u> </u>     | $\vdash$     | _        | Щ        |
|         | 49                                                                                                                                                    | Щ                                                | _            | <u> </u>                                         | _            | L                                                | L_           |              |          | Ш        |

|           | Claim    | 1                                                | Date         |          |              |          |            |                                              |           |              |
|-----------|----------|--------------------------------------------------|--------------|----------|--------------|----------|------------|----------------------------------------------|-----------|--------------|
| Г         |          |                                                  | Г            |          | 厂            |          | Ī          |                                              |           | П            |
|           | Final    |                                                  |              |          |              |          |            |                                              |           |              |
|           | Final    | b                                                |              |          | i            |          |            |                                              |           |              |
|           | "   č    | 5                                                |              |          |              |          |            |                                              |           |              |
| $\vdash$  |          |                                                  | <del> </del> | -        |              | _        | _          | ⊢                                            | H         | _            |
| ├         | 5        | ,                                                | -            | -        | ⊢            | <u> </u> |            | -                                            | -         | -            |
| -         | 52       |                                                  | -            | <u> </u> | _            | _        | <u> </u>   | $\vdash$                                     | <u> </u>  |              |
|           | 50       | 3                                                | _            | <u> </u> |              | -        | <u> </u>   | <u>                                     </u> | ⊢         | _            |
| <u> </u>  | 54       | +                                                |              | _        | _            | _        | <u> </u>   | ┡                                            | <u> </u>  | ┡            |
| -         | 55       | 2                                                | _            | <u> </u> | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>                                     | <u> </u>  | <u> </u>     |
| <u> </u>  | 56       | 2                                                | _            | _        | <u> </u>     | <u> </u> | <b> </b> _ | <u> </u>                                     | <u> </u>  |              |
| Ш         | 57       |                                                  |              | <u> </u> | <u> </u>     | _        | ļ.,        | <u> </u>                                     | <u> </u>  | <u> </u>     |
| Ш         | 58<br>59 | 3                                                | _            | _        | _            | _        | Ļ          | <u> </u>                                     | <u> </u>  | ᆫ            |
|           | 59       | 9                                                |              | _        | _            | _        | <u> </u>   | <u> </u>                                     | <u> </u>  |              |
| L         | 60       | )                                                |              | <u> </u> | <u> </u>     |          | L          | <u> </u>                                     | <u> </u>  | <u> </u>     |
| _         | 62       | 1                                                |              | <u>_</u> | _            |          | _          |                                              | <u> </u>  | <u> </u>     |
| <u> </u>  | 62       | 2                                                |              | <u> </u> | <u> </u>     | <u> </u> | <u></u>    | <u> </u>                                     | <u> </u>  | <u> </u>     |
| _         | 63       | 3                                                | _            | <u> </u> | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>                                     | <u> </u>  | <u> </u>     |
| <u> </u>  | 64<br>65 | 1                                                | Ш            | <u> </u> | <u> </u>     | L_       | <u> </u>   | _                                            | _         | $oxed{oxed}$ |
| Ш         | 65       |                                                  |              |          | $oxed{oxed}$ | Ш.       | L.         | <u> </u>                                     | <u> </u>  | <u> </u>     |
| L         | 66       |                                                  |              |          |              |          |            | ļ                                            |           |              |
|           | 67       | ۷Щ                                               |              |          | L            |          | L          | L                                            |           |              |
|           | 68       | 3                                                |              |          |              |          | _          | <u> </u>                                     | _         |              |
|           | 69       | 9                                                |              |          | <u> </u>     |          |            | _                                            |           |              |
|           | 70       | )                                                |              |          |              |          |            |                                              |           |              |
|           | 71       | $\Box$                                           |              |          | _            |          |            |                                              |           |              |
| Ш         | 72<br>73 | 2                                                |              |          |              |          | _          | L.                                           |           |              |
|           | 73       | 3                                                |              |          | _            |          |            | _                                            |           |              |
| Ш         | 74       | <u> </u>                                         |              |          | Ш            | Щ        |            | _                                            |           |              |
|           | 75<br>76 |                                                  |              |          | oxdot        |          |            |                                              |           |              |
|           | 76       |                                                  |              |          | Щ            |          |            |                                              |           | Ш            |
|           | 77       | $\Box$                                           |              |          |              |          |            | _                                            |           | L_           |
|           | 78       | 4                                                |              |          |              |          |            |                                              | _         |              |
|           | 79       |                                                  |              | _        |              |          | $\Box$     |                                              |           |              |
|           | 80       | <u>'                                    </u>     |              |          | _            |          |            |                                              |           |              |
|           | 81       |                                                  |              |          |              |          |            |                                              | _         |              |
|           | 82       | <u>-</u>                                         |              |          |              |          |            |                                              |           |              |
|           | 83       | 3                                                |              |          | Ш            |          |            |                                              |           |              |
|           | 84       |                                                  |              | _        | Ш            |          |            |                                              |           | Ш            |
|           | 85       |                                                  | $\Box$       |          | Щ            |          |            |                                              |           | Ш            |
| $\square$ | 86       | -   -                                            | _            |          | Щ            |          |            |                                              |           | $\vdash$     |
| -         | 87       | +                                                | -            |          | Щ            |          | -          |                                              |           | Щ            |
| $\vdash$  | 88       |                                                  |              |          | $\vdash$     | -        | $\square$  | Щ                                            |           | Щ            |
| $\vdash$  | 89       | <del>!    </del>                                 | _            |          | Н            | -        |            | $\vdash$                                     |           |              |
| $\dashv$  | 90       | _                                                |              | _        | Ш            | _        |            | _                                            | _         | _            |
|           | 91       | ;+-                                              | $\dashv$     |          | $\vdash$     | $\vdash$ | _          | Н                                            | ш         | $\vdash$     |
|           | 92       |                                                  |              | _        |              | _        |            |                                              |           |              |
|           | 93       | <del>}   -  </del>                               |              | _        | -            |          | _          | $\vdash$                                     |           | $\square$    |
|           | 94       |                                                  |              | -        | $\vdash$     |          | _          | _                                            | $\square$ |              |
| $\dashv$  | 95       | <u>}</u>                                         | -            | _        |              |          | _          | $\sqcup$                                     |           | -            |
| 4         | 96       | <del>}                                    </del> |              |          | -            | _        | _          | _                                            | _         | _            |
|           | 97       | +                                                |              |          | _            | -        | _          | _                                            | _         | _            |
| $\dashv$  | 98       | <del>}   -  </del>                               |              | _        | -            |          |            | _                                            |           | _            |
| $\dashv$  | 99       | <del>'. - </del>                                 |              | $\dashv$ |              |          | $\dashv$   | _                                            |           |              |
|           | 10       | υ <u></u>                                        |              |          |              |          |            |                                              |           |              |

| Cli          | aim                                                  | Date                                             |          |                                                  |          |          |                |              |          |          |
|--------------|------------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|----------|----------|----------------|--------------|----------|----------|
|              | Т                                                    | Г                                                | Г        | T                                                | Γ        |          |                | Π            |          |          |
| ā            | Original                                             | 1                                                |          |                                                  |          | 1        |                |              |          |          |
| Final        | Ē                                                    |                                                  |          |                                                  |          |          |                |              |          |          |
| _            | 0                                                    |                                                  | l        | l                                                | l        |          |                | l            | l        |          |
|              | 101                                                  | <u> </u>                                         | ┢        | $\vdash$                                         | _        | $I^-$    | $\vdash$       | Г            | $\vdash$ | Н        |
|              | 102                                                  | <del>                                     </del> | 1        |                                                  | Т        | $\vdash$ | _              |              |          | Н        |
|              | 103                                                  |                                                  |          |                                                  |          | t        | 1              |              |          | П        |
|              | 104                                                  |                                                  | _        | <del>                                     </del> |          | T        |                |              | T        | Н        |
|              | 105                                                  | Г                                                | Т        | _                                                |          | T        |                |              |          | М        |
|              | 106                                                  |                                                  | T        | $\vdash$                                         |          | Т        |                |              |          | Н        |
|              | 107                                                  |                                                  | 1        |                                                  | Г        | T        |                |              | T        | П        |
|              | 108                                                  |                                                  | Г        |                                                  |          |          | Г              |              |          | П        |
|              | 109<br>110                                           |                                                  |          |                                                  |          |          |                |              |          |          |
|              | 110                                                  |                                                  | П        |                                                  | Γ        | П        | Г              |              |          |          |
|              | 111                                                  |                                                  |          |                                                  |          |          |                |              |          |          |
|              | 112                                                  |                                                  |          |                                                  |          |          |                |              |          |          |
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|              | 122                                                  |                                                  |          |                                                  |          |          |                |              | L        |          |
|              | 123                                                  | _                                                |          |                                                  |          |          |                |              |          |          |
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|              | 126                                                  |                                                  | L        | _                                                |          |          |                | L            | 匚        | Ш        |
|              | 127                                                  |                                                  | L_       | _                                                |          | _        | _              |              | <u> </u> | Ш        |
|              | 128                                                  | _                                                | ᆫ        | L                                                |          |          |                | L_           | <u> </u> | Ш        |
|              | 129                                                  | _                                                | L        | L                                                | _        | _        |                |              | _        |          |
|              | 130                                                  |                                                  | L.,      | L_                                               |          | L.       | _              | $oxed{oxed}$ |          |          |
|              | 131<br>132                                           | _                                                | Ш        | Ш                                                | L_       | <u> </u> |                | L_           | _        | Ш        |
|              | 132                                                  |                                                  |          | L_                                               | _        | L.       | _              | <u> </u>     | L_       | Ш        |
|              | 133                                                  | Ш                                                | Ш        | oxdot                                            | Щ        | <u> </u> | L.             | <u> </u>     | L_       |          |
|              | 134<br>135                                           | $\vdash$                                         | <u> </u> | Щ                                                | Щ        |          |                | <u> </u>     |          |          |
|              | 135                                                  |                                                  | <u> </u> | $\vdash$                                         | L_       | _        | Щ.             | <u> </u>     | $\vdash$ |          |
|              | 136                                                  | _                                                | $\vdash$ | $\vdash$                                         | _        |          | <u> </u>       | Щ.           | <u> </u> | Щ        |
|              | 137<br>138                                           |                                                  | <u> </u> | <u> </u>                                         | $\vdash$ | -        | -              | <u> </u>     | <u> </u> | $\sqcup$ |
|              | 138                                                  |                                                  | -        | <u> </u>                                         |          | $\vdash$ | -              | <u> </u>     | H        | Щ        |
|              | 139                                                  |                                                  | -        |                                                  | -        | $\vdash$ | <u> </u>       | H            | Ь.       | $\sqcup$ |
|              | 140                                                  | _                                                | -        | -                                                | -        | -        | <u> </u>       | $\vdash$     | $\vdash$ | Н        |
|              | 141                                                  |                                                  | -        | $\vdash$                                         | -        | $\vdash$ | $\vdash$       | <u> </u>     | -        | $\dashv$ |
|              |                                                      |                                                  | $\vdash$ |                                                  | H        | Н        | H              | <u> </u>     | -        | $\dashv$ |
| $\dashv$     | 143                                                  |                                                  | H        | _                                                | $\vdash$ | $\vdash$ | -              | _            | _        | $\vdash$ |
|              |                                                      | _                                                | Ш        | -                                                | -        | Н        | $\vdash$       | _            | -        | $\dashv$ |
|              | 145                                                  | _                                                | -        | $\dashv$                                         | $\dashv$ | $\vdash$ | $\vdash$       |              | H        |          |
|              | 146<br>147                                           | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$ | $\vdash$ | Н              | Н            | $\vdash$ |          |
|              | 147                                                  |                                                  | $\vdash$ | $\vdash$                                         | $\vdash$ | $\vdash$ | -              |              |          | _        |
|              | 148                                                  |                                                  | -        | -                                                | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$     |          |          |
| <del> </del> |                                                      |                                                  | -        | -                                                | $\dashv$ | Н        | $\vdash\vdash$ |              | $\vdash$ | $\dashv$ |
|              | 150                                                  |                                                  |          | ليا                                              |          |          |                |              | نـــا    |          |